



**Biological Source:** Constit. of *Rabdosia effusa*

**Physical Description:** Cryst.

**Melting Point:** Mp 206-209°

**UV:** [neutral]  $\lambda_{\max}$  234 ( $\epsilon$  9260) (EtOH) (Berdy)

>>**Derivative:** 3-Deoxy, 18-deacetoxy

**Synonym(s):** Trichorabdal A

**CAS Registry Number:** 85329-59-5

**Molecular Formula:** C<sub>20</sub>H<sub>26</sub>O<sub>5</sub>

**Molecular Weight:** 346.422

**Accurate Mass:** 346.178025

**Percentage Composition:** C 69.34%; H 7.56%; O 23.09%

**Biological Source:** Constit. of *Rabdosia trichocarpa*

**Use/Importance:** Shows *in vivo* antitumour activity against Ehrlich ascites carcinoma

**Physical Description:** Needles (MeOH)

**Melting Point:** Mp 198-201°

**Optical Rotation:**  $[\alpha]_{\text{D}}$  -63.9 (c, 0.01 in EtOH)

**Solubility:** BERDY SOL: Sol. MeOH, C<sub>6</sub>H<sub>6</sub>; poorly sol. H<sub>2</sub>O

**UV:** [neutral]  $\lambda_{\max}$  229 ( $\epsilon$  6028) (MeOH) (Berdy) [neutral]  $\lambda_{\max}$  232 ( $\epsilon$  8500) (EtOH) (Berdy)

#### References:

Kubo, I. *et al.*, *Chem. Comm.*, 1980, 1206, (*Effusin*)

Fujita, E. *et al.*, *Chem. Comm.*, 1981, 899, (*Trichorabdal B*)

Fujita, E. *et al.*, *Heterocycles*, 1981, **16**, 227, (*synth*)

Node, M. *et al.*, *Chem. Lett.*, 1982, 2023, (*cryst struct*)

Node, M. *et al.*, *Chem. Pharm. Bull.*, 1983, **31**, 1433, (*pmr, cmr, use*)

Fuji, K. *et al.*, *Chem. Pharm. Bull.*, 1989, **37**, 1465, (*isol, pmr, cmr, cryst struct*)

Osawa, K. *et al.*, *Phytochemistry*, 1994, **36**, 1287, (*isol, pmr, cmr*)